



PRODUCT CATALOG

(Industrial Products)

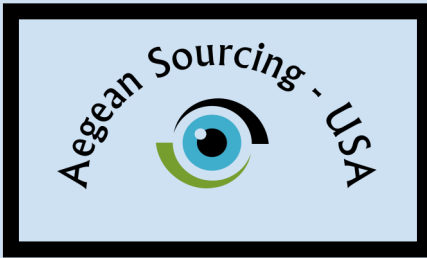
308 E. LANCASTER AVENUE, WYNNEWOOD, PA 19096



AEGEAN SOURCING USA:

Aegean Sourcing – USA focuses primarily on sourcing food and pharmaceutical ingredients from around the world. We have offices in four different continents, thus we can get the best product with quality and value, in a timely manner. One of the problems many companies face in dealing with overseas sources is the inconsistent quality. But with our local offices, we have an upper hand in assuring the goals of our customers are met flawlessly. International markets require constant monitoring as prices and availability fluctuate constantly. We have several years of experience in sourcing overseas, so our customers can have peace of mind.





CALCIUM CARBONATE:

CALCIUM CARBONATE IS ONE OF THE MOST VERSATILE MINERALS ON EARTH. RECORDS INDICATE ITS USE DATES AS FAR BACK AS 40,000 BC. IT IS BELIEVED THAT THE GREAT PYRAMIDS OF GIZA WERE BUILT USING CALCIUM CARBONATE ROCKS (WHAT WE CALL MARBLE TODAY).

WHILE AN ESTIMATED 4% OF THE EARTH'S CRUST IS MADE UP OF CALCIUM CARBONATE, THE QUALITY VARIES BY LOCATION. IT IS FOUND IN ONE OF FOUR FORMS IN NATURE: CHALK, DOLOMITE, LIMESTONE AND MARBLE.

DIFFERENT APPLICATIONS REQUIRE DIFFERENT QUALITY CALCIUM CARBONATE. IN GENERAL, THE MOST IMPORTANT ATTRIBUTES ARE PURITY, WHITENESS, PARTICLE SIZE, AND PSD (PARTICLE SIZE DISTRIBUTION).

ONE OF OUR SOURCING REGIONS IS LOCATED IN THE EASTERN ANATOLIAN PENINSULA (ASIA MINOR). THE CALCIUM CARBONATE FROM THIS REGION IS KNOWN FOR ITS EXCEPTIONAL PURITY, WHITENESS, AND BRIGHTNESS. FURTHERMORE, IT COMES FROM THE SAME REGION AS THE WORLD-RENOWNED HISTORICAL SITE – CAPPADOCIA.





CALCIUM CARBONATE:

- ♦ Marble based CaO_3 from Turkey with high whiteness & brightness and low heavy metal composition
- ♦ Available in particle sizes from 1 micron to 20 micron in plain and coated form
- ♦ Perfect for applications such as plastics, paints, coatings and sealant
- ♦ Supplied in variety of packaging configurations such as 20 Kg bags or 1000 Kg super sacs

BELOW IS THE CHEMICAL AND NATURAL PROPERTIES THAT IS COMMON TO ALL SKU'S.

PARTICAL SIZE AND OTHER SKU SPECIFIC INFORMATION IS PROVIDED ON THE FOLLOWING PAGE

Analysis	UoM	Value	Technical Information	UoM	Value
CaCO_3	%	99.35 +/- 0.20	Whiteness (L) (ASTM E-313) Elrepho 450x	%	> 98.30
MgO	%	0.3 +/- 0.1	Brightness (Ry) (DIN 6167)Elrepho 450x	%	> 96.00
CaO	%	55 +/- 1	Moisture, Factory depart (ISO 787-2)	%	< 0.3
SiO_2	%	<0.1	pH Value (ISO 787-9)	%	9.0 +/- 0.5
Fe_2O_3	%	0.04 +/- 0.01	Hardness	Mohs	3
HCl insoluble	%	<0.1			



CALCIUM CARBONATE - PARTICLE SIZE PROPERTIES BY SKU

PLAIN		NT-95	NT-75	NT-65	NT-1	NT-2	NT3	NT-5
Parameters	UoM	Value	Value	Value	Value	Value	Value	Value
Mean Part. Size D50)	μ	1.55-1.70	1.80-2.00	2.15-2.40	2.45-2.75	3.06-3.30	3.44-3.90	5.00-5.73
Top Cut (D97)	μ	3.45-3.60	5.35-5.68	6.50-7.20	8.81-10.00	10.76-11.50	12.0014.38	19.54-22.58
Particles <2μ By Vol.	%	66.05-73-25	58.00-65.00	43.05-50.02	35.31-38.65	30.64-32.80	27.80-29.67	22.92-26.35
Specific Surface Area	m ² /cm ³	4.20-4.40	3.80-3.90	3.30-3.40	3.28-3.66	3.14-3.20	2.88-3.06	2.51-2.74
Sieve Residue on 45μ	%	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.1
DOP Absorption	gr/100gr	36	35	34	30	29	29	27
Oil Absorption	gr/100gr	29	27	26	24	24	23	23

SURFACE TREATED		NT-95K	NT-75K	NT-65K	NT-1K	NT-2K	NT3K	NT-5K
Parameters	UoM	Value	Value	Value	Value	Value	Value	Value
Mean Part. Size D50)	μ	1.55-1.70	1.80-2.00	2.15-2.40	2.45-2.75	3.06-3.30	3.44-3.90	5.00-5.73
Top Cut (D97)	μ	3.45-3.60	5.35-5.68	6.50-7.20	8.81-10.00	10.76-11.50	12.0014.38	19.54-22.58
Particles <2μ By Vol.	%	66.05-73-25	58.00-65.00	43.05-50.02	35.31-38.65	30.64-32.80	27.80-29.67	22.92-26.35
Specific Surface Area	m ² /cm ³	4.20-4.40	3.80-3.90	3.30-3.40	3.28-3.66	3.14-3.20	2.88-3.06	2.51-2.74
Sieve Residue on 45μ	%	<0.01	<0.01	<0.01	<0.01	<0.01	<0.05	<0.1
DOP Absorption	gr/100gr	27	23	20	19	18	17	15
Oil Absorption	gr/100gr	26	22	20	17	16	14	13



TALC:

- ♦ High quality talc from Turkey
- ♦ Available in particle sizes from 2 micron to 8.5 micron in plain and coated form
- ♦ Perfect for applications such as plastics, rubber, paints, ceramics, and cosmetics
- ♦ Supplied in variety of packaging configurations such as 20 Kg bags or 1000 Kg super sacs

Analysis	UoM	Value
SiO ₂	%	59-62
MgO	%	29-32
CaO	%	< 1
Fe ₂ O ₃	%	<0.5
Loss on Ignition	%	5-7

Technical Information	UoM	Value
Whiteness (L) (ASTM E-313) Elrepho 450x	%	> 94.00
Brightness (Ry) (DIN 6174) Elrepho 450x	%	> 88.00
Moisture, Factory depart (ISO 787-2)	%	< 0.5
pH Value (ISO 787-9)	%	8.5 +/- 0.5
Hardness	Mohs	1
Bulk density	Gr/cm ³	0.3
DOP Absorption (ISO 787-5)	gr/100gr	48
Oil Absorption (ISO 787-5)	gr/100gr	44
Refractive Index		1.57



BARIUM SULFATE:

- ♦ High quality barium sulfate from Turkey
- ♦ Available in particle sizes from 4 micron to 5 micron in plain and coated form
- ♦ Perfect for applications such as paints, coatings, plastics, drilling and construction industries
- ♦ Supplied in 25 Kg paper bags or 1000 Kg super sacs

Analysis	UoM	Value
BaSO ₄	%	97 +/-1
Fe ₂ O ₃	%	0.5 +/- 0.1
Al ₂ O ₃	%	0.5 +/- 0.05
SiO ₂	%	0.5 +/- 0.1
SrO	%	1.5 +/- 0.5
CaO	%	0.5 +/- 0.1

Technical Information	UoM	Value
Whiteness (L) (ASTM E-313) Elrepho 450x	%	> 94.00
Brightness (Ry) (DIN 6174) Elrepho 450x	%	> 88.00
Moisture, Factory depart (ISO 787-2)	%	< 0.3
pH Value (ISO 787-9)	%	8.5 +/- 0.5
Hardness	Mohs	3.25
Bulk density	gr/cm ³	1.65
Density	gr/cm ³	4.3 +/- 0.1
Oil Absorption (ISO 787-5)	gr/100gr	15
Refractive Index		1.63